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MIRAGE  
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(TM)

Release 3.1a John F. Collins, Biocomputing Research Unit.  
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Msrch\_n n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Sat Jan 15 08:26:15 2000; MasPer time 546.25 Seconds  
1227.104 Million cell updates/sec

Tabular output not generated.

Title: >US-08-978-217-15

Description: (1-7752) from US08978217.seq (10 of 10)

Perfect Score: 7751 1 GGATCGCTTCCAGGCACTGA.....CAGAGGGCTCTCGTGGATCC 7752

N.A. Sequence: CCTAGGAGAGGTTCCGTGACT.....GTCTCCGAGAGAGACTTAGG

Comp: 1

Scoring table: TABLE default

Nmatch STD : Dbase 0; Query 0

Searched: 165362 seqs, 43234748 bases x 2

Post-processing: Minimum Match 08  
Listing first 45 summaries

Database: n-issued  
1:5A\_COMB 2:5B\_COMB 3:5C\_COMB 4:PCT9\_COMB 5:backfiles1

Statistics: Mean 10.353; Variance 5.835; scale 1.774

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description	Pred. No.
1	163	2.1	1920	3	US-08-746-	Sequence 1, Applicatio	4.87e-93
2	97	1.3	7218	2	US-08-232-	Sequence 14, Applicati	4.43e-46
3	94	1.2	3293	1	US-07-923-	Sequence 1, Applicatio	5.27e-44
4	92	1.2	4698	1	US-08-299-	Sequence 5, Applicatio	1.26e-42
5	92	1.2	4698	1	US-07-807-	Sequence 5, Applicatio	1.26e-42
6	90	1.2	5687	3	US-08-380-	Sequence 3, Applicatio	3.01e-41
7	83	1.1	240	2	US-08-487-	Sequence 6, Applicatio	1.84e-36
8	88	1.1	535	2	US-08-686-	Sequence 38, Applicati	7.10e-40
9	84	1.1	1355	1	US-07-757-	Sequence 4, Applicatio	3.84e-37
10	84	1.1	1355	3	US-08-442-	Sequence 16, Applicati	3.84e-37
11	84	1.1	1355	3	US-08-442-	Sequence 4, Applicatio	3.84e-37
12	84	1.1	1355	3	US-08-442-	Sequence 16, Applicati	3.84e-37
13	84	1.1	1355	3	US-08-442-	Sequence 4, Applicatio	3.84e-37
14	84	1.1	1355	1	US-07-757-	Sequence 16, Applicati	3.84e-37
15	85	1.1	1753	4	PCT-US95-0	Sequence 6, Applicatio	8.00e-38
16	84	1.1	1808	1	US-08-442-	Sequence 2, Applicatio	3.84e-37
17	84	1.1	1808	1	US-07-757-	Sequence 15, Applicati	3.84e-37
18	84	1.1	1808	3	US-08-442-	Sequence 15, Applicati	3.84e-37
19	84	1.1	1808	3	US-08-442-	Sequence 15, Applicati	3.84e-37
20	84	1.1	1808	3	US-08-442-	Sequence 15, Applicati	3.84e-37

c	21	84	1.1	1808	3	US-08-442-	Sequence 2, Applicatio	3.84e-37
c	22	82	1.1	2797	3	US-08-555-	Sequence 4, Applicatio	8.82e-36
c	23	84	1.1	3892	3	US-08-555-	Sequence 3, Applicatio	3.84e-37
c	24	76	1.0	3963	4	PCT-US96-0	Sequence 1, Applicatio	1.00e-31
c	25	76	1.0	3963	4	US-08-464-	Sequence 1, Applicatio	1.00e-31
c	26	77	1.0	4016	4	PCT-US95-0	Sequence 1, Applicatio	2.12e-32
c	27	70	0.9	7218	2	US-08-232-	Sequence 14, Applicati	1.02e-27
c	28	60	0.8	305	2	US-08-253-	Sequence 4, Applicatio	3.65e-21
c	29	60	0.8	329	2	US-08-253-	Sequence 23, Applicati	3.65e-21
c	30	60	0.8	349	2	US-08-253-	Sequence 14, Applicati	3.65e-21
c	31	60	0.8	2191	2	US-08-417-	Sequence 11, Applicati	3.65e-21
c	32	63	0.8	2280	4	PCT-US96-0	Sequence 5, Applicatio	4.12e-23
c	33	63	0.8	2280	1	US-08-415-	Sequence 5, Applicatio	4.12e-23
c	34	62	0.8	2830	4	PCT-US93-0	Sequence 1, Applicatio	1.84e-22
c	35	62	0.8	2830	1	US-07-882-	Sequence 1, Applicatio	1.84e-22
c	36	61	0.8	5253	3	US-08-290-	Sequence 3, Applicatio	8.22e-22
c	37	61	0.8	26700	2	US-08-472-	Sequence 1, Applicatio	8.22e-22
c	38	61	0.8	26700	3	US-08-488-	Sequence 5, Applicatio	8.22e-22
c	39	54	0.7	352	3	US-08-147-	Sequence 3, Applicatio	2.51e-17
c	40	58	0.7	494	3	US-08-332-	Sequence 23, Applicati	7.09e-20
c	41	58	0.7	2263	1	US-08-176-	Sequence 1, Applicatio	7.09e-20
c	42	58	0.7	2263	4	PCT-US94-1	Sequence 1, Applicatio	7.09e-20
c	43	58	0.7	2263	3	US-08-669-	Sequence 1, Applicatio	7.09e-20
c	44	53	0.7	5191	1	US-08-340-	Sequence 1, Applicatio	1.07e-16
c	45	53	0.7	5191	4	PCT-US93-0	Sequence 1, Applicatio	1.07e-16

#### ALIGNMENTS

RESULT 1  
US-08-746-789A-1 STANDARD; DNA; UNC; 1920 BP.  
xxxxxx  
AC Sequence 1, Application US/08746789A  
DE Sequence 1, Application US/08746789A  
CC Patent No. 5789200  
CC  
CC GENERAL INFORMATION:  
CC APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debouck  
CC TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, E1F3  
CC NUMBER OF SEQUENCES: 4  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: SmithKline Beecham Corporation  
CC STREET: 709 Swedeland Road, P.O. Box 1539  
CC CITY: King of Prussia  
CC STATE: PA  
CC COUNTRY: USA  
CC ZIP: 19406-0939  
CC  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE  
CC COMPUTER: IBM 486  
CC OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
CC SOFTWARE: MICROSOFT WORD  
CC  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/746,789A  
CC FILING DATE: No. 5789200el 15, 1996  
CC CLASSIFICATION: 514  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER:  
CC FILING DATE:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: William T. Han  
CC REGISTRATION NUMBER: 34,344  
CC REFERENCE/DOCKET NUMBER: ATG 50024  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 610 270 5219  
CC TELEFAX: 610 270 4026  
CC INFORMATION FOR SEQ ID NO: 1:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1920  
CC TYPE: Nucleic Acid  
CC STRANDEDNESS: Single  
CC TOPOLOGY: Linear  
CC ANTI-SENSE: NO



CC NAME: Hellwege, James W.  
CC REGISTRATION NUMBER: 28,808  
CC REFERENCE/DOCKET NUMBER: 514853  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 703-415-1500  
CC TELEFAX: 703-415-1508  
CC INFORMATION FOR SEQ ID NO: 1:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 3293 base pairs  
CC TYPE: NUCLEIC ACID  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: cDNA to mRNA  
CC FEATURE:  
CC NAME/KEY: CDS  
CC LOCATION: 180..2690  
SQ SEQUENCE 3293 BP: 799 A; 973 C; 795 G; 726 T; 0 OTHER.

Query Match 1.2%; Score 94; DB 1; Length 3293;  
Best Local Similarity 87.9%; Pred. No. 5,27e+44;  
Matches 109; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Db 3132 CTTTATCCGACACTCGGAGGACAGGAGCTAGATTCTGAGTGGAGCCAGCCTG 3191  
CP 1977 CTTTATCCGACACTCGTGAAGTAGAGTAGAGGATTTCGAGTTCAGGCCGCTT 1918  
Db 3192 GTCTACAAAGTAGTTCACAGACAGCCAGAGCTATACAGAGAACCTGCTTGAAGAAA 3251  
CP 1917 GTCTACAGAGTAGTTCACAGACAGCCAGAGGCTACACAGAGAACTGCTTGAAGAAA 1858  
Db 3252 AAAA 3255  
CP 1857 TAAA 1854

RESULT 4  
ID US-08-299-849B-5 STANDARD; DNA; UNC; 4698 BP.  
AC xxxxxx  
DT Sequence 5, Application US/08299849B  
DE Sequence 5, Application US/08299849B  
CC Patent No. 5612201  
CC GENERAL INFORMATION:  
CC APPLICANT: De Plaen, Etienne; Boon-Falleur, Thierry;  
CC APPLICANT: Leith, Bernard; Szikora, Jean-Pierre; De Smet, Charles;  
CC APPLICANT: Chomez, Patrick  
CC TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful In  
CC TITLE OF INVENTION: Determining Expression Of A Tumor Antigen Precursor  
CC NUMBER OF SEQUENCES: 48  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Felte & Lynch  
CC STREET: 805 Third Avenue  
CC CITY: New York City  
CC STATE: New York  
CC ZIP: 10022  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
CC COMPUTER: IBM  
CC OPERATING SYSTEM: PC-DOS  
CC SOFTWARE: Wordperfect  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/299,849B  
CC FILING DATE: 1-SEPTEMBER-1994  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 08/037,230  
CC FILING DATE: 26-MARCH-1993  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US92/04354  
CC FILING DATE: 22-MAY-1992  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 07/807,043  
CC FILING DATE: 12-DECEMBER-1991

CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 07/764,364  
CC FILING DATE: 23-SEPTEMBER-1991  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 07/728,838  
CC APPLICATION NUMBER: 9-JULY-1991  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 07/705,702  
CC FILING DATE: 23-MAY-1991  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Hanson, No. 5612201man D.  
CC REGISTRATION NUMBER: 30,946  
CC REFERENCE/DOCKET NUMBER: LUD 5355  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (212) 688-9200  
CC TELEFAX: (212) 838-3884  
CC INFORMATION FOR SEQ ID NO: 5:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 4698 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: genomic DNA  
SQ SEQUENCE 4698 BP: 989 A; 1332 C; 866 G; 1511 T; 0 OTHER.

Query Match 1.2%; Score 92; DB 1; Length 4698;  
Best Local Similarity 83.3%; Pred. No. 1.26e+42;  
Matches 115; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

Db 1552 TTTTITTTTTTTTTTGGTTTTCGACAGAGGTTTCTCTTTGATCCCTGGCTGTCTT 1611  
QY 1840 TTTTGTCTGAGTTTATGTTTTCACAGACAGAGTTTCTGTGAGCCCTGGCTGTCTT 1899  
Db 1612 GGCACCTCAGCTGTGACACAGCGCTGCTCAACTCAGAAATCTGCTGCTGCTGCTC 1671  
QY 1900 GGAAGTCACTCTGTGACAGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1959  
Db 1672 CAATGCTGGGATTAAAG 1689  
QY 1960 GGAGTGTGCTGGATTAAAG 1977

RESULT 5  
ID US-07-807-043B-5 STANDARD; DNA; UNC; 4698 BP.  
AC xxxxxx  
DT Sequence 5, Application US/07807043B  
DE Sequence 5, Application US/07807043B  
CC Patent No. 5342774  
CC GENERAL INFORMATION:  
CC APPLICANT: Boon, Thierry, Van den Eynde, Beno t  
CC TITLE OF INVENTION: Tumor Rejection Antigen Precursors, Tumor  
CC TITLE OF INVENTION: Rejection Antigens and Uses Thereof  
CC NUMBER OF SEQUENCES: 16  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Felte & Lynch  
CC STREET: 805 Third Avenue  
CC CITY: New York City  
CC STATE: New York  
CC ZIP: 10022  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
CC COMPUTER: IBM  
CC OPERATING SYSTEM: PC-DOS  
CC SOFTWARE: Wordperfect  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/07/807,043B  
CC FILING DATE: 19911212  
CC CLASSIFICATION: 424  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 07/764,364  
CC FILING DATE: 23-SEPTEMBER-1991  
CC PRIOR APPLICATION DATA:





CP 1989 GGCAGCGACATCTTTATATCCAGACATCCGAGTAGAGTAGAGATTCTGAGTTC 1930  
DB 1251 GAGGCCAGCTTGCTATTAAGTAGAGTTCAGAGACGCCAGAGCTACACAGAAACCT 1310  
CP 1929 GAGGCCAGCTTGCTATCAAGAGTAGTTCAGAGACGCCAGGCTACACAGAAACTCT 1870  
DB 1311 GTCCTGAAAAAACAA 1326  
CP 1869 GTCCTGAAAAACTAA 1854

RESULT 10  
ID US-08-442-281-16 STANDARD: DNA; UNC; 1355 BP.  
AC xxxxxx

DE Sequence 16, Application US/08442281  
CC Sequence 16, Application US/08442281  
CC Patent No. 5807991  
CC GENERAL INFORMATION:  
CC APPLICANT: Takatsu, Kiyoshi  
CC APPLICANT: Tomimaga, Akira  
CC APPLICANT: Takagi, Satoshi  
CC APPLICANT: Murata, Yoshiyuki  
CC TITLE OF INVENTION: Human And Murine Interleukin-5 Receptor  
CC NUMBER OF SEQUENCES: 18  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Pennie & Edmonds  
CC STREET: 1155 Avenue of the Americas  
CC CITY: New York  
CC STATE: New York  
CC COUNTRY: U.S.A.  
CC ZIP: 10036-2711  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/442,281  
CC FILING DATE:  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 07/757,390  
CC FILING DATE: 10-SEP-1991  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Mistock, S. Leslie  
CC REGISTRATION NUMBER: 18,872  
CC REFERENCE/DOCKET NUMBER: 7005-030  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 212 790-9090  
CC TELEFAX: 212 8698864/9741  
CC TELETYPE: 66141 PENNIE  
CC INFORMATION FOR SEQ ID NO: 16:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1355 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: CDNA  
CC FEATURE:  
CC NAME/KEY: CDS  
CC LOCATION: 13..1008  
CC SEQUENCE 1355 BP; 421 A; 301 C; 293 G; 340 T; 0 OTHER.

Query Match 1.1%; Score 84; DB 3; Length 1355;  
Best Local Similarity 80.9%; Pred. No. 3,84e-37;  
Matches 110; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

DB 1191 GGTAGAGCTCGCTTTAATACAGACCTGGAGTGCACAGACGGAGATTCTGAGTTC 1250  
CP 1989 GGCAGCGACATCTTTATCCAGACATCTGAGTAGAGTAGAGATTCTGAGTTC 1930

DB 1251 GAGGCCAGCTTGCTATTAAGTAGAGTTCAGAGACGCCAGAGCTACACAGAAACCT 1310  
CP 1929 GAGGCCAGCTTGCTATCAAGAGTAGTTCAGAGACGCCAGGCTACACAGAAACTCT 1870  
DB 1311 GTCCTGAAAAAACAA 1326  
CP 1869 GTCCTGAAAAACTAA 1854

RESULT 11  
ID US-08-442-281-4 STANDARD: DNA; UNC; 1355 BP.  
AC xxxxxx

DE Sequence 4, Application US/08442281  
CC Sequence 4, Application US/08442281  
CC Patent No. 5807991  
CC GENERAL INFORMATION:  
CC APPLICANT: Takatsu, Kiyoshi  
CC APPLICANT: Tomimaga, Akira  
CC APPLICANT: Takagi, Satoshi  
CC APPLICANT: Murata, Yoshiyuki  
CC TITLE OF INVENTION: Human And Murine Interleukin-5 Receptor  
CC NUMBER OF SEQUENCES: 18  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Pennie & Edmonds  
CC STREET: 1155 Avenue of the Americas  
CC CITY: New York  
CC STATE: New York  
CC COUNTRY: U.S.A.  
CC ZIP: 10036-2711  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/442,281  
CC FILING DATE:  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 07/757,390  
CC FILING DATE: 10-SEP-1991  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Mistock, S. Leslie  
CC REGISTRATION NUMBER: 18,872  
CC REFERENCE/DOCKET NUMBER: 7005-030  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 212 790-9090  
CC TELEFAX: 212 8698864/9741  
CC TELETYPE: 66141 PENNIE  
CC INFORMATION FOR SEQ ID NO: 4:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1355 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: CDNA  
CC SEQUENCE 1355 BP; 421 A; 301 C; 293 G; 340 T; 0 OTHER.

Query Match 1.1%; Score 84; DB 3; Length 1355;  
Best Local Similarity 80.9%; Pred. No. 3,84e-37;  
Matches 110; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

DB 1191 GGTAGAGCTCGCTTTAATACAGACCTGGAGTGCACAGACGGAGATTCTGAGTTC 1250  
CP 1989 GGCAGCGACATCTTTATCCAGACATCTGAGTAGAGTAGAGATTCTGAGTTC 1930  
DB 1251 GAGGCCAGCTTGCTATTAAGTAGAGTTCAGAGACGCCAGAGCTACACAGAAACCT 1310  
CP 1929 GAGGCCAGCTTGCTATCAAGAGTAGTTCAGAGACGCCAGGCTACACAGAAACTCT 1870  
DB 1311 GTCCTGAAAAAACAA 1326



